

REPLACEMENT SHEET

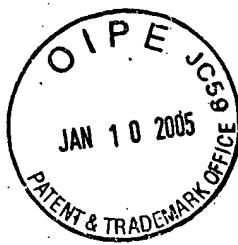


Figure 2

A

Val67

Sce vma1	F T C N A T H E L
Mle recA	F A A T P N H L I
Mxa gyrA	V T G T A N H P L
PGB Pol	I T I T E G H S L
Ppu.c dnaB	L E L T S N H K I
Mtu recA	V M A I P D H K V
Cel hhi1	L R I T S R H F M
Dme hp	L T V T P A H L V
Xla vhh	I R L T A A H L L

Block B

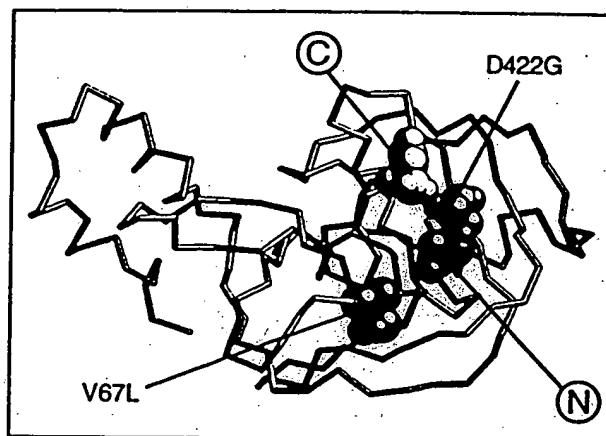
Asp422

D Y Y G I T S D D . S D H Q F L L A M	
S M N R F D I E V E . G N H N Y . F M D	
V Q P V Y S L R V D T A D H A F . I T M	
D G Y V Y D L S V D . E D E N F . L A G	
F Q N V F D F A A N . P I P N F . I A N	
R A R T F D L E V E . E L H T L . V A E	
T G I Y S P L T N N . G R . . I . I V H	
K G V V A P L T R E . G T . . I . V V N	
T C A Y A P L T A H . G T . . V . V D O	

Block F

SEQ ID NOS: 9, 18
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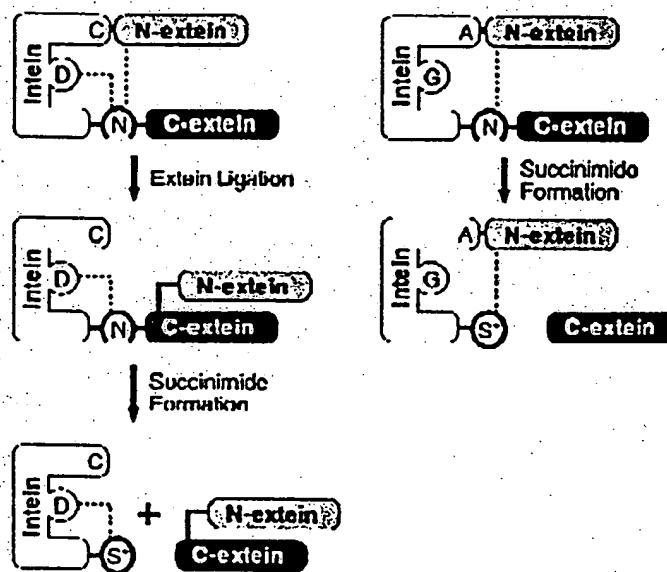
B



C

Wild Type

Cleavage Mutant



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